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No. Pages 19

CENTRAL INTELLIGENCE AGENCY
PHOTOGRAPHIC INTELLIGENCE CENTER

JOINT PHOTOGRAPHIC INTELLIGENCE OAK REPORT

ARMY - NAVY - CIA - AIR FORCE

PREFACE

THIS IS AN OAK REPORT INSTALLMENT AND REPRESENTS ONE OF MAN'S FIRST ATTEMPTS TO PRODUCE AN INTELLIGENCE REPORT FROM SATELLITE PHOTOGRAPHY. QUALITY OF UNOBSCURED COVERAGE RANGES FROM GOOD TO VERY GOOD AND INCLUDES APPROXIMATELY 1.5 MILLION SQUARE MILES OF THE SINO-SOVIET BLOC. OF THIS COVERAGE AN ESTIMATED 25 PERCENT IS CLOUD FREE, WITH LIGHT SCATTERED TO HEAVY CLOUDS COVERING THE REMAINDER. BECAUSE OF THE SMALL SCALE WHICH ESTIMATEDLY RANGES FROM 1/300,000 TO 1/450,000, THE NATURE OF THE OPERATING CYCLE, AND THE CHARACTERISTICS OF THE PANORAMIC PHOTOGRAPHY ACHIEVED, IT IS EXPECTED THAT A PRELIMINARY REPORT OF THIS MISSION WILL NOT BE COMPLETED FOR SEVERAL WEEKS. AVERAGE GROUND OBJECT RESOLUTION IS ESTIMATED IN THE ORDER OF 20 TO 30 FEET ON THE SIDE.

EVEN IN PRELIMINARY EXPLOITATION CLOSE COLLABORATION IS REQUIRED AMONG THE PHOTO INTERPRETERS, PHOTOGRAMMETRISTS, PHOTO LABORATORY PERSONNEL, SCIENTIFIC INTELLIGENCE AND COLLATERAL DATA SPECIALISTS. BECAUSE OF THE PECULIAR MENSURATION PROBLEMS POSED BY THE MATERIAL, ALL MEASUREMENTS NOTED HEREIN SHOULD BE TREATED AS TENTATIVE UNTIL FULL PHOTOGRAMMETRIC ANALYSIS CAN BE ACCOMPLISHED. THE AMOUNT OF GEOGRAPHIC-ECONOMIC DATA AND THE NUMBER OF INTELLIGENCE TARGETS ARE CONSIDERABLE, AND THE POTENTIAL USE OF THE MATERIAL FOR CHARTING AND POSSIBLE GEODETIC ASSISTANCE APPEARS TO BE GOOD.

THE MOST STRINGENT USE OF THE NEED TO KNOW PRINCIPLE WITHIN THE SECURITY LIMITATIONS OF THE TALENT-KEYHOLE SYSTEM MUST APPLY TO ALL WOULD-BE CONSUMERS OF RAW MATERIALS AS WELL AS FINISHED REPORTS RESULTING FROM THIS MISSION.

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INTRODUCTION

THIS IS THE THIRD IN A SERIES OF OAK REPORTS DEALING WITH PRIORITY ITEMS OF INTELLIGENCE SIGNIFICANCE APPEARING ON PHOTOGRAPHY OF MISSION 9009. THIS REPORT COVERS THE OAK-REPORTING PERIOD FROM 1500 HOURS, 27 AUGUST 1960, THROUGH 1500 HOURS, 29 AUGUST 1960.

OAK PHOTOGRAPHIC INTELLIGENCE TEAMS ARE ENGAGED IN A TWO-PHASE EXPLOITATION OF MISSION 9009. THE FIRST PHASE IS CONCERNED WITH AN INITIAL SCAN OF PHOTOGRAPHY AND AN INDEXING OF ALL ITEMS OF INTELLIGENCE SIGNIFICANCE. A COMPLETE INDEX OF INTELLIGENCE ITEMS WILL BE PUBLISHED AFTER COMPLETION OF THE OAK-REPORTING PERIOD. THE SECOND PHASE IS CONCERNED WITH A PRELIMINARY ANALYSIS OF PRIORITY ITEMS UNCOVERED IN THE INITIAL SCAN. THESE ITEMS ARE THE SUBJECT OF THE DAILY OAK REPORTS.

THE DAILY OAK REPORTS WILL CONSIST, BASICALLY, OF A BRIEF INTRODUCTION AND SUMMARY, FOLLOWED BY A LISTING OF PRIORITY ITEMS WHICH HAVE BEEN THE SUBJECT OF PRELIMINARY ANALYSIS. THESE ITEMS WILL BE REPORTED IN THE FOLLOWING PREASSIGNED CATEGORIES.

A. GUIDED MISSILES AND ELECTRONICS
B. NUCLEAR ENERGY
C. AIRFIELDS
D. MILITARY INSTALLATIONS
E. PORTS AND HARBORS
F. MAJOR COMPLEXES
G. MISCELLANEOUS ITEMS

FOR PURPOSES OF CONSISTENCY, THE ABOVE CATEGORIES WILL APPEAR IN THE OAK REPORT EVERY DAY, EVEN IF NO PRIORITY ITEMS ARE LISTED WITHIN THE CATEGORY. FURTHER INFORMATION RESULTING FROM ADDITIONAL PRELIMINARY ANALYSIS OF PREVIOUSLY REPORTED ITEMS WILL BE INCORPORATED IN SUBSEQUENT OAK REPORTS.

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SUMMARY

AS OF 1500 HOURS, 29 AUGUST 1960, APPROXIMATELY 90 PERCENT OF MISSION 9009 HAD BEEN SCANNED. [redacted] 25X1

[redacted] 25X1

[redacted] EXTENSIVE CLOUD COVER AND VAST UNINHABITED AREAS WERE PRIMARILY RESPONSIBLE FOR THE LARGE PERCENTAGE INCREASE IN AREA SCANNED DURING THE CURRENT REPORTING PERIOD. 25X1

IT SHOULD BE NOTED THAT PRELIMINARY ANALYSIS HAS NOT BEEN COMPLETED ON ALL PRIORITY ITEMS WITHIN THE AREA SCANNED. FOR EXAMPLE, PRELIMINARY ANALYSIS CONTINUES ON SOME INTELLIGENCE ITEMS COVERED [redacted] EVEN THOUGH INITIAL SCAN OF THAT PASS WAS COMPLETED DURING THE SECOND OAK-REPORTING PERIOD. ITEMS ON WHICH PRELIMINARY ANALYSIS HAS BEEN COMPLETED DURING THE CURRENT REPORTING PERIOD ARE INCLUDED IN THIS REPORT. 25X1

THE ELECTRONICS SITES LISTED IN THIS REPORT WERE LOCATED ON THE BASIS OF THEIR PREVIOUS IDENTIFICATION ON TALENT PHOTOGRAPHY. PHOTOGRAPHIC LIMITATIONS PRECLUDE A DETAILED DESCRIPTION OF THESE SITES DURING THE PRELIMINARY ANALYSIS STAGE.

SUMMARIZED BELOW ARE THE MAJOR ITEMS OF INTELLIGENCE INTEREST.

GUIDED MISSILES

MISSILE TEST CENTER, KAPUSTIN YAR/VLADIMIROVKA

PRELIMINARY ANALYSIS OF THE KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER WAS COMPLETED DURING THE CURRENT REPORTING PERIOD. SUMMARIZED BELOW ARE THE HIGHLIGHTS OF THIS ANALYSIS (SEE MAP ACCOMPANYING ITEM A.1).

1. TROOP TRAINING LAUNCH COMPLEX G - TWO LAUNCH PADS HAVE BEEN CONSTRUCTED NE OF THE THREE TROOP TRAINING SITES WHICH WERE ACTIVE IN DECEMBER 1959.
2. LAUNCH COMPLEX A - STATUS OF CONSTRUCTION ON THE TWO RAMP-LIKE STRUCTURES CANNOT BE DETERMINED.
3. LAUNCH COMPLEX C - THE RAIL LINE IS BEING EXTENDED TOWARD THE LAUNCH AREAS AND IS PRESENTLY TRACEABLE AS FAR AS THE COMPLEX CONTROL CENTER.
4. LAUNCH COMPLEX E - NOT YET COMPLETE AND OPERATIONAL.
5. TEST AND SUPPORT COMPLEX - A RAIL-SERVED SUPPORT FACILITY OF UNDETERMINED FUNCTION HAS BEEN ADDED TO THIS COMPLEX.
6. LAUNCH COMPLEX D - NORTHERNMOST LAUNCH AREA STILL UNDER CONSTRUCTION.
7. MISSILE PRODUCTION AND DEVELOPMENT COMPLEX - THE SECOND OF TWO LARGE FABRICATION BUILDINGS APPEARS NEARLY COMPLETE.

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SAM SITES

FIVE NEWLY IDENTIFIED HEXADIC SA-2 SAM SITES IN THE FAR EAST, ONE OF WHICH IS STILL UNDER CONSTRUCTION, WERE CONFIRMED. TWO NEWLY IDENTIFIED POSSIBLE SAM SITES UNDER CONSTRUCTION WERE ALSO REPORTED. THIS BRINGS THE TOTAL TO DATE TO 12 NEW HEXADIC SITES CONFIRMED AND 6 POSSIBLE SITES UNDER CONSTRUCTION.

AIRFIELDS

FOURTEEN AIRFIELDS WERE OBSERVED DURING THE CURRENT REPORTING PERIOD. THESE INCLUDE ONE POSSIBLE NEW AIRFIELD UNDER CONSTRUCTION, TWO AIRFIELDS PREVIOUSLY OBSERVED ON TALENT PHOTOGRAPHY WHICH HAVE RUNWAYS IN EXCESS OF 9,000 FEET, THREE SMALLER AIRFIELDS WITH CONCRETE OR BLACKTOP RUNWAYS, AND EIGHT DIRT STRIPS OR SOD LANDING AREAS, TWO OF WHICH APPEAR TO BE ABANDONED.

MISCELLANEOUS

A REPORTED MILLION-KW THERMAL POWER PLANT NEAR NAZAROVO, WHICH WAS TO BEGIN OPERATION IN 1959, IS STILL UNDER CONSTRUCTION.

DETAILS

PRELIMINARY ANALYSIS WAS COMPLETED ON THE FOLLOWING ITEMS DURING THE CURRENT OAK-REPORTING PERIOD.

A. GUIDED MISSILES AND ELECTRONICS

1. MISSILE TEST CENTER, KAPUSTIN YAR/VLADIMIROVKA

25X1

OAK 9009, PART 2, DISCUSSED THE SURFACE-TO-AIR MISSILE FACILITIES AT THE TEST CENTER. THIS PART COVERS THE REMAINING LAUNCH AND SUPPORT FACILITIES, AS FOLLOWS. SURFACE-TO-SURFACE MISSILE FACILITIES, PROBABLE AERODYNAMIC MISSILE FACILITIES, AIR-TO-SURFACE AND AIR-TO AIR MISSILE FACILITIES, AND SUPPORT BASES. THE ATTACHED MAP DEPICTS THE OVER-ALL RANGEHEAD AREA, WITH MAJOR CHANGES

25X1

SHOWN IN RED.

SURFACE-TO-SURFACE MISSILE FACILITIES - FOUR OF THE 8 SSM LAUNCH COMPLEXES ARE EITHER WHOLLY OR PARTIALLY CLOUD COVERED, AND THE TEST AND SUPPORT COMPLEX IS CLOUD FREE.

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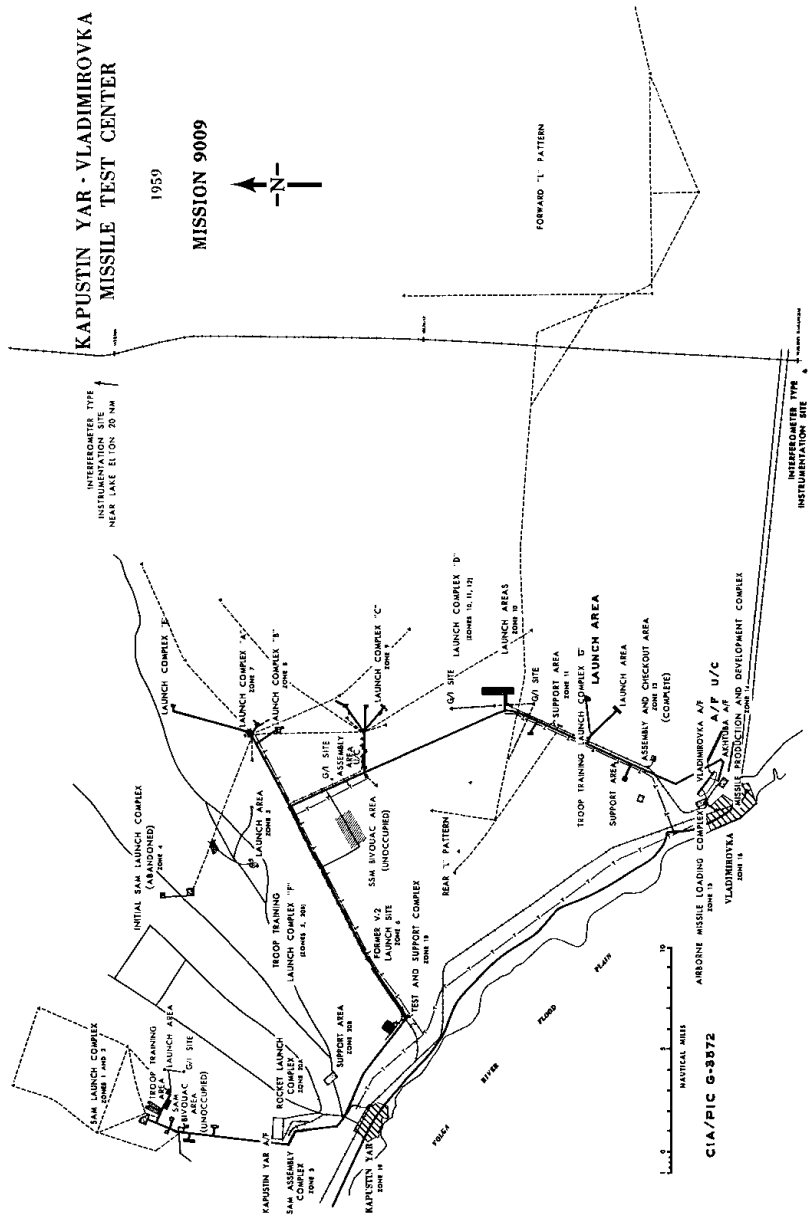

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THOSE COMPLEXES VISIBLE SHOW NO SIGNIFICANT CHANGES SINCE [redacted] A DISCUSSION OF EACH COMPLEX FOLLOWS. 25X1

ROCKET LAUNCH COMPLEX - CLOUD FREE, NO CHANGES EVIDENT.

FORMER V-2 LAUNCH AREA - CLOUD FREE, ABANDONED.

TROOP TRAINING LAUNCH COMPLEX F - PARTIALLY CLOUD COVERED, FACILITIES TOO SMALL TO BE INTERPRETED AT THIS SCALE.

LAUNCH COMPLEX E - CLOUD FREE. THIS COMPLEX CONSISTS OF A FENCED LAUNCH AREA WITH ONE PAD, AND A SEPARATELY FENCED ASSEMBLY AND CHECKOUT FACILITY. THERE IS NO EVIDENCE OF CONSTRUCTION HAVING BEEN INITIATED ON A SECOND LAUNCH PAD. THE DRIVE-THROUGH ASSEMBLY AND CHECKOUT BUILDING, 4.5 NM S OF THE LAUNCH AREA, STILL APPEARS INCOMPLETE, SUGGESTING THAT THE LAUNCH COMPLEX IS NOT YET OPERATIONAL.

LAUNCH COMPLEX A - CLOUD COVERED. MOST OF THE SUPPORT FACILITIES AND ALL THE LAUNCH FACILITIES ARE INDISTINCT. THOSE FACILITIES WHICH CAN BE SEEN, HOWEVER, APPEAR UNCHANGED. IT IS IMPOSSIBLE TO DETERMINE THE STATUS OF CONSTRUCTION ON THE TWO RAMP-LIKE STRUCTURES VISIBLE ON [redacted] 25X1
PHOTOGRAPHY. THE MODIFIED-V INSTRUMENTATION PATTERN IS UNCHANGED.

LAUNCH COMPLEX B - ALL SUPPORT FACILITIES FOR THIS COMPLEX ARE CLOUD COVERED. THE LAUNCH PADS THEMSELVES ARE VISIBLE AND SHOW NO CHANGES FROM PREVIOUS PHOTOGRAPHY.

LAUNCH COMPLEX C - THOUGH MOST FACILITIES OF LAUNCH COMPLEX C ARE CLOUD-FREE, THE MOST SIGNIFICANT LAUNCH AREA, THAT WHICH WAS UNDER CONSTRUCTION IN DECEMBER 1959, IS COMPLETELY CLOUD COVERED. THE RAIL-SERVED ASSEMBLY AREA WHICH WAS UNDER CONSTRUCTION AT THE SAME TIME APPEARS COMPLETE. THERE IS EVIDENCE, HOWEVER, THAT THE RAIL LINE IS BEING EXTENDED TOWARD THE LAUNCH AREAS AND IS PRESENTLY TRACEABLE AS FAR AS THE COMPLEX CONTROL CENTER (REFERRED TO IN OAK 9009 - PART 2 AS THE RANGE CONTROL CENTER). THE OTHER TWO LAUNCH AREAS, THE TWO CHECKOUT AREAS, THE TWO ASSEMBLY AREAS, THE ADMINISTRATION AND HOUSING AREA, THE COMPLEX CONTROL CENTER, AND THE V-SHAPED INSTRUMENTATION PATTERN ARE CLOUD FREE AND SHOW NO CHANGES.

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THE LARGE BIVOUAC AREA WEST OF LAUNCH COMPLEX C SHOWS NO APPARENT CHANGE SINCE DECEMBER 1959 AND APPEARS UNOCCUPIED.

TROOP TRAINING LAUNCH COMPLEX G - CLOUD FREE. TWO LAUNCH PADS HAVE BEEN CONSTRUCTED NE OF THE THREE TROOP TRAINING LAUNCH SITES WHICH WERE ACTIVE IN DECEMBER 1959, BRINGING THE NUMBER OF LAUNCH SITES IN THIS COMPLEX TO FIVE. THE TWO PADS ARE CONCRETE SURFACED AND ARE PROBABLY AT LEAST 100 FEET SQUARE.

TEST AND SUPPORT COMPLEX - CLOUD FREE. A RAIL-SERVED SUPPORT FACILITY OF UNDETERMINED FUNCTION HAS BEEN ADDED TO THIS COMPLEX.

PROBABLE AERODYNAMIC MISSILE FACILITIES - THE PROBABLE AERODYNAMIC MISSILE FACILITIES CONSIST OF LAUNCH COMPLEX D AND THE MISSILE PRODUCTION AND DEVELOPMENT COMPLEX.

LAUNCH COMPLEX D - ONLY THE NORTHERNMOST OF THE FOUR LAUNCH AREAS IS CLOUD FREE. EARTH SCARRING VISIBLE WITHIN THIS LAUNCH AREA INDICATES THAT IT IS STILL UNDER CONSTRUCTION. NO CHANGES ARE APPARENT IN THE SUPPORT AREA, THE ASSEMBLY AND CHECKOUT AREA, AND THE THREE INSTRUMENTATION PATTERNS.

MISSILE PRODUCTION AND DEVELOPMENT COMPLEX - THIS COMPLEX, ADJACENT TO VLADIMIROVKA AIRFIELD, SHOWS NO ADDITIONAL CONSTRUCTION SINCE DECEMBER 1959. THE SECOND OF THE TWO LARGE FABRICATION BUILDINGS APPEARS NEARLY COMPLETE.

AIR-TO-SURFACE AND AIR-TO-AIR MISSILE FACILITIES - THE AIRBORNE MISSILE LOADING COMPLEX WEST OF VLADIMIROVKA AIRFIELD APPEARS UNCHANGED SINCE DECEMBER 1959.

SUPPORT BASES - THE TEST CENTER IS SUPPORTED BY FACILITIES IN KAPUSTIN YAR AND VLADIMIROVKA. BOTH ARE CLOUD FREE AND SHOW NO APPARENT CHANGES SINCE DECEMBER 1959.

2. HEXADIC SA-2 SAM SITES

A TOTAL OF 5 SA-2 SAM SITES AND 2 POSSIBLE SAM SITES UNDER CONSTRUCTION HAVE BEEN IDENTIFIED FOR THE FIRST TIME FROM MISSION 9009 DURING THE CURRENT REPORTING

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PERIOD. A TABULATION OF THE SAM SITES FOLLOWS.

SITE NO	COORD	DISTANCE/DIRECTION FROM CITY	STATUS
1	50 44N - 137 13E	13 NM NE OF KOMSOMOLSK	POSS SITE U/C
2	50 24N - 136 55E	10.5 NM SSW OF KOMSOMOLSK	POSS SITE U/C
3	50 24N - 137 22E	17 NM SE OF KOMSOMOLSK	COMPLETE
4	49 11N - 140 19E	13 NM NE OF SOVETSKAYA GAVAN	COMPLETE
5	48 58N - 140 04E	9 NM WSW OF SOVETSKAYA GAVAN	COMPLETE
6	48 59N - 140 24E	4 NM ENE OF SOVETSKAYA GAVAN	COMPLETE
7	48 49N - 140 13E	10.5 NM SSW OF SOVETSKAYA GAVAN	MID-STAGE CONST

3. SARYAGACH RECEIVING SITE, 11.5 NM NNW OF TASHKENT
41 27N - 69 11E

25X1

4. KRUG SITE 7.5 NM ENE OF TASHKENT
41 19N - 69 26E

25X1

5. KRUG SITE 12.5 NM SSE OF TASHKENT
41 09N - 69 25E

25X1

6. THE RAIL LINES LISTED BELOW ARE INCLUDED IN THE GUIDED MISSILES AND ELECTRONICS CATEGORY BECAUSE OF THE INTEREST IN THE INTELLIGENCE COMMUNITY IN RAIL-SERVED MISSILE LAUNCH SITES.

THE KOTLAS-VORKUTA RAIL LINE WAS OVERCAST EXCEPT FOR ONE SECTION BETWEEN 64 30N - 55 25E AND 64 45N - 56 00E.

25X1

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[redacted] 25X1

RAIL LINE U/C FROM PESKI RAIL JUNCTION
53 15N - 66 54E

[redacted] 25X1

RAIL LINE APPARENTLY WILL RUN FROM PESKI JUNCTION TO VOLODARSKOYE.

A SPUR EXTENDS APPROXIMATELY 1 NM FROM THE JUNCTION TO A POSSIBLE FUTURE INDUSTRIAL SITE.

B. NUCLEAR ENERGY

NO ITEMS DURING THE CURRENT REPORTING PERIOD

C. AIRFIELDS

1. ACHINSK AIRFIELD
56 15N - 90 28E

[redacted] 25X1

AIRFIELD IS ABANDONED. STORAGE SITE NOW OCCUPIES FORMER AIRFIELD LOCATION.

2. DOBRYNSKOYE AIRFIELD
56 14N - 40 34E

[redacted] 25X1

6,600 X 150 FT NNE/SSW BLACKTOP RUNWAY
ONLY N END OF RUNWAY & SUPPORT AREA VISIBLE
(MEASUREMENTS FROM TALENT PHOTOGRAPHY [redacted] 25X1

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3. DZHEZKAZGAN AIRFIELD
47 45N - 67 43E

25X1

4,300 FT NNE/SSW SOD-SURFACE RUNWAY
3,700 FT ESE/WNW SOD-SURFACE RUNWAY
(MEASUREMENTS FROM KEYHOLE MISSION 9009)

NO APPARENT CHANGE SINCE TALENT PHOTOGRAPHY

25X1

25X1

4. KAMYSHIN AIRFIELD
50 03N - 45 23E

25X1

APPROXIMATELY 4,000 X 3,000 FT SOD LANDING AREA
(MEASUREMENTS FROM TALENT PHOTOGRAPHY

25X1

5. KAMYSHIN NORTHWEST AIRFIELD
50 12N - 45 13E

25X1

10,000 X 350 FT NE/SW SOD-SURFACE RUNWAY
8,500 X 270 FT NE/SW CONCRETE RUNWAY
(MEASUREMENTS FROM TALENT PHOTOGRAPHY

25X1

6. POSSIBLE NEW AIRFIELD U/C NEAR KARAZHAL
48 02N - 70 50E

25X1

STRIP 6,600 FT LONG, ORIENTED NE/SW, HAS BEEN SCRAPED, POSSIBLY IN PREPARATION FOR RUNWAY CONSTRUCTION. INADEQUATE CHART INFORMATION PRECLUDES PRECISE LOCATION AT THIS TIME.

7. MARIINSK AIRFIELD
56 16N - 87 47E

25X1

4,300 X 280 NE/SW CONCRETE RUWNAY
(MEASUREMENTS FROM KEYHOLE MISSION 9009)

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8. MOZDOK AIRFIELD
43 47N - 44 36E

25X1

9,200 X 310 FT E/W CONCRETE RUNWAY
(MEASUREMENTS FROM TALENT PHOTOGRAPHY

25X1

25X1

NO SIGNIFICANT CHANGE

25X1

9. MOZDOK EAST AIRFIELD
43 43N - 44 45E

25X1

AIRFIELD APPEARS TO HAVE BEEN RETURNED TO CULTIVATION.

10. RESHMA AIRFIELD (SE EDGE OF KINESHMA)
57 25N - 42 11E

25X1

SOD LANDING AREA

PART OF LANDING AREA, AS SHOWN IN ASSOTW, HAS BEEN RETURNED TO CULTIVATION. AIRFIELD MAY BE ABANDONED.

11. STALINSK AIRFIELD
53 44N - 87 13E

25X1

SOD LANDING AREA

THIS AIRFIELD WAS PREVIOUSLY COVERED BY TALENT PHOTOGRAPHY

25X1

12. VYAZNIKI SOUTHEAST AIRFIELD
56 12N - 42 11E

25X1

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5,400 X 4,050 FT SOD LANDING AREA
(MEASUREMENTS FROM ASSOTW)

13. YAKUTSK AIRFIELD
62 04N - 129 47E

25X1

5,000 FT NE/SW RUNWAY
4,700 FT ENE/WSW RUNWAY
(MEASUREMENTS FROM KEYHOLE MISSION 9009)
SURFACES AND WIDTHS UNDETERMINED

14. YAROSLAVL TUNOSHNOYE AIRFIELD
57 34N - 40 09E

25X1

8,800 X 280 FT RUNWAY ORIENTED NE/SW
(MEASUREMENTS FROM KEYHOLE MISSION 9009)

4 LARGE POSSIBLE AIRCRAFT ON PARKING LOOPS.

6,800 FT OF RUNWAY IS CONCRETE, 2,000 FT IS EITHER BLACK-TOP OR DIRT. RUNWAY HAS PARALLEL TAXI RAMP AND 2 PARKING LOOPS.

SUPPORT AREA AND PORTION OF RUNWAY CLOUD COVERED.

15. AIRFIELDS PREVIOUSLY REPORTED BUT NOT LOCATED OR CLOUD COVERED

ALLAYKHA AIRFIELD
70 29N - 142 22E

AYAN AIRFIELD
56 27N - 138 11E

BATAGAY-ALYTA AIRFIELD
67 47N - 130 30E

BULIN AIRFIELD
70 45N - 127 12E

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CHUMIKAN AIRFIELD
54 42N - 135 19E

DZHARDZHAN AIRFIELD
68 46N - 124 04E

GIZHIGA AIRFIELD
62 03N - 160 31E

KORKODON AIRFIELD
63 52N - 157 22E

KOSISTYY AIRFIELD
73 40N - 109 45E

KOZHEVNIKOVO SEAPLANE STATION
71 41N - 109 42E

KREST-KHALDZHAY AIRFIELD
62 50N - 134 37E

RUSSKOYE USTYE AIRFIELD
71 00N - 149 03E

SEYMCHAN AIRFIELD
62 52N - 152 25E

SREDNE KOLYMSK AIRFIELD
67 27N - 153 42E

TIKSI AIRFIELD
71 41N - 128 52E

TIKSI WEST AIRFIELD
71 41N - 128 40E

UST MAYA AIRFIELD
60 25N - 134 32E

YAKUTSK SEAPLANE BASE
62 02N - 129 45E

YAROSLAVL AIRFIELD
57 35N - 39 54E

ZHIGANSK AIRFIELD
66 45N - 123 22E

TOP SECRET CHESS

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ZYRYANKA AIRFIELD
65 50N - 150 52E

D. MILITARY INSTALLATIONS

[redacted] 25X1

2. AMMUNITION DEPOT 5 NM W OF MOZDOK
43 45N - 44 32E

[redacted] 25X1

COMPARISON WITH TALENT PHOTOGRAPHY [redacted] 25X1
INDICATES SOME NEW CONSTRUCTION ACTIVITY IN NW CORNER OF INSTALLATION SINCE 1957.

3. AMMUNITION-STORAGE AREA AT STALINGRAD
49 00N - 44 13E

[redacted] 25X1

NO APPARENT CHANGE SINCE TALENT PHOTOGRAPHY [redacted] 25X1

[redacted] 25X1

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E. PORTS AND HARBORS

YAKUTSK PORT FACILITIES
62 02N - 129 45E

25X1

HEAVY HAZE AND SCATTERED CLOUDS PRECLUDE PRELIMINARY ANALYSIS OF PORT FACILITIES.

F. MAJOR COMPLEXES

1. ATBASAR
51 48N - 68 20E

25X1

ATBASAR IS COMPLETELY COVERED BY CLOUD-FREE PHOTOGRAPHY. A PROBABLE PIPELINE EXTENDS IN A N/S DIRECTION JUST W OF THE CITY.

2. CHIRCHIK
41 30N - 69 35E

25X1

CHIRCHIK IS COMPLETELY COVERED BY CLOUD-FREE PHOTOGRAPHY, AND APPEARS RELATIVELY UNCHANGED SINCE TALENT PHOTOGRAPHY 25X1 MODERATE RESIDENTIAL EXPANSION IN SW PORTION SINCE 1957.

3. KOSTROMA
57 46N - 40 56E

25X1

KOSTROMA IS COMPLETELY COVERED, BUT SCATTERED CLOUDS OBSCURE PORTIONS OF THE AREA. THERE HAS BEEN CONSIDERABLE EXPANSION, CHIEFLY RESIDENTIAL, SINCE WORLD WAR II PHOTOGRAPHY. 25X1

HARBOR FACILITIES HAVE BEEN GREATLY INCREASED ALONG THE KOSTROMA RIVER, AND THE RIVER HAS BEEN WIDENED AND CHANNELED FOR APPROXIMATELY 2.5 NM FROM ITS CONFLUENCE WITH THE VOLGA RIVER.

TOP SECRET CHESS

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4. MOZDOK
43 44N - 44 40E

25X1

MOZDOK IS COMPLETELY COVERED BY CLOUD-FREE PHOTOGRAPHY, AND APPEARS RELATIVELY UNCHANGED SINCE TALENT PHOTOGRAPHY

25X1

5. SHUYA
56 51N - 41 22E

25X1

SHUYA IS APPROXIMATELY 50 PERCENT CLOUD COVERED. NO ITEMS OF INTELLIGENCE INTEREST WERE READILY APPARENT.

6. STALINGRAD
48 42N - 44 30E

25X1

STALINGRAD IS COMPLETELY COVERED BY CLOUD-FREE PHOTOGRAPHY, AND APPEARS RELATIVELY UNCHANGED SINCE TALENT PHOTOGRAPHY

25X1

THE WIDELY DISPERSED INDUSTRIAL SITE AT VOLZHSKIY, OPPOSITE STALINGRAD ON THE VOLGA RIVER, HAS UNDERGONE FURTHER EXPANSION SINCE DECEMBER 1959. ONE SECTION OF THE SITE IS HEAVILY SECURED, AND CONTAINS A TALL STRUCTURE OF UNDETERMINED FUNCTION.

7. VLADIMIR
56 08N - 40 25E

25X1

VLADIMIR IS COMPLETELY COVERED BY PHOTOGRAPHY, BUT SCATTERED CLOUDS OBSCURE PORTIONS OF THE COMPLEX. THERE HAS BEEN RELATIVELY LITTLE CHANGE SINCE TALENT PHOTOGRAPHY

25X1

A NEW ROAD OR RAILROAD, NOT APPARENT ON 1956 PHOTOGRAPHY, RUNS NE/SW THROUGH THE NW SECTION OF THE CITY.

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8. THE FOLLOWING PRIORITY 1 TARGETS WERE CLOUD-COVERED AT TIME OF PHOTOGRAPHY

NAMTSY
62 43N - 129 39E

TIKSI
71 38N - 128 52E

G. MISCELLANEOUS ITEMS

1. ALMALYK NONFERROUS METALLURGICAL COMBINE
40 50N - 69 38E

[redacted] 25X1

THE COMBINE IS APPROXIMATELY 80 PERCENT COVERED BY CLOUD-FREE PHOTOGRAPHY.

AREA OF EXCAVATIONS N OF POWER PLANT, WHICH APPEARED ON TALENT PHOTOGRAPHY IN 1957, NOW APPEARS TO CONTAIN 3, POSSIBLY 4, LARGE BUILDINGS, ONE OF WHICH IS SITUATED ON SOUTHERNMOST OF PREVIOUSLY REPORTED EXCAVATIONS. OTHER EXCAVATION SITES NOT DISCERNIBLE. AREA IS ROAD AND RAIL SERVED AND PROBABLY FENCED.

POWER PLANT AND INDUSTRIAL CONSTRUCTION PROBABLY COMPLETE. POSSIBLE NEW STRUCTURES N OF POWER PLANT. MODERATE EXPANSION TO E IN SUPPORT AREA. MODERATE EXPANSION OF HOUSING IN NE AND SE SECTIONS OF ALMALYK.

ORE-CONCENTRATION PLANT AND MINING ACTIVITY AT ALTYN-TOPKAN TO S NOT COVERED.

2. NAZAROVSKAYA THERMAL POWER PLANT U/C
56 03N - 90 20E

[redacted] 25X1

PLANT, LOCATED 3 NM NW OF NAZAROVO, REPORTEDLY WILL HAVE A CAPACITY OF MORE THAN A MILLION KW WHEN COMPLETE. FIRST POWER GENERATION WAS SUPPOSED TO HAVE BEGUN IN 1959, BUT KEYHOLE PHOTOGRAPHY INDICATES THAT THE PLANT IS NOT YET IN OPERATION.

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THE FIRST SECTIONS OF THE BOILERHOUSE AND GENERATOR HALL AND ONE TALL STACK APPEAR COMPLETE. EXTENSIVE CONSTRUCTION ACTIVITY IS APPARENT THROUGHOUT THE AREA. THE WATER INTAKE AND EFFLUENT CANALS BETWEEN THE PLANT AND THE CHULYM RIVER ALSO APPEAR ESSENTIALLY COMPLETE. EXTENSIVE PERMANENT HOUSING FACILITIES HAVE BEEN COMPLETED W OF THE PLANT. AN ADDITIONAL AREA, PROBABLY HOUSING, IS UNDER CONSTRUCTION LESS THAN A MILE N OF THE PLANT.

ONE OCCUPIED POWER TRACE LEADS NORTH FROM THE PLANT TO ACHINSK. AN UNOCCUPIED POWER TRACE, PROBABLY STILL UNDER CONSTRUCTION, LEADS E FROM THE PLANT, TERMINATING AT 55 58N - 91 12E.

COLLATERAL REPORTS INDICATE THAT EXTENSIVE BROWN-COAL DEPOSITS ARE IN THE AREA, AND WILL PROVIDE THE FUEL FOR THE PLANT. KEYHOLE PHOTOGRAPHY SHOWS TWO LARGE STRIP MINES IMMEDIATELY S OF THE TOWN OF NAZAROVO.

3. SERPENTINE HF BROADCAST SITE 8 NM NW OF TASHKENT
41 12N - 69 08E

25X1

4. PROBABLE ORE-PROCESSING FACILITIES AT TOY-TYUBE
41 03N - 69 20E

25X1

RELATIVELY LITTLE CHANGE APPARENT IN PROBABLE ORE-PROCESSING PLANT AND PROBABLE SURFACE-MINING AREA SINCE TALENT PHOTOGRAPHY

25X1

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